MEMORANDUM

TO: Mike Warfel/SEA
           Paul Townley/SEA

FROM: Katie Downie/SEA

DATE: October 24, 1989

RE: TPH in Soil Samples from Longview Fibre, Seattle

PROJECT: SEA24054.A0

Attached are the results from the nine soil samples submitted to
the CH2M HILL close support laboratory on October 20, 1989 and
analyzed on October 20 and 21, 1989. The samples were analyzed
for total petroleum hydrocarbons by a modified Method 418.1 and
the results are reported on an as-received (wet weight) basis.
The modifications to the method were necessary to adapt the
procedure for sol sample analysis instead of water samples.

The initial calibration of five standards plus a reagent blank
had an r=0.9986, with calculated values within 10% of the true
concentrations. The precision and accuracy, as measured by the
matrix spike/matrix spike duplicate analyses are within
acceptable limits.

If you have any questions on the analyses, or would like a copy
of the modified Method 418.1, please let me know (ext. 5354).

/je

LONGVIEW FIBRE
SEATTLE, WASHINGTON

Project #: SEA24054.A0
Laboratory: Close Support Laboratory
Analysis: Total Petroleum Hydrocarbons
Method: Screen/IR
Date: October 20, 1989, October 21, 1989
Data Type: Field Samples
Matrix: Soil
Detection Limit (U): 30

SAMPLE IDENTITY	ABSORB.	CONC. FROM CURVE (ug/ml)	SOLVENT VOLUME (ml)	SAMPLE WEIGHT (gms)	DILUTION FACTOR	CONC. IN SOIL (mg/kg)
Clean Composite #1	0.037	3.74	10.00	7.69	1	8.0J
Clean Composite #2	0.036	2.76	10.00	5.48	1	5.0J
Hnu Composite #2	0.310	271.9	10.00	5.01	11	5,970
Hnu Composite #1	0.380	340.7	10.00	4.78	6	4,280
W10	0.153	117.7	10.00	5.45	1	216
W20 Above Clay	0.320	281.7	10.00	4.48	11	6,920
S10	0.119	84.3	10.00	5.13	11	1,810
N10	0.180	144.2	10.00	5.09	1	283
W20 Clay	0.036	2.78	10.00	4.78	1	5.8J